CLAIMS

1. A biosensor which is provided with a cavity into which a liquid sample is drawn by capillary phenomenon, and is able to analyze a component in the liquid sample by a reaction between the drawn liquid sample and a reagent, wherein

the surface itself of at least a portion of side walls of the sensor, said side walls facing the cavity, has hydrophilicity.

- 2. A biosensor as defined in Claim 1 wherein the side walls of the sensor facing the cavity are made of a resin material in which a surfactant is mixed.
- 3. A biosensor as defined in Claim 2 wherein the amount of the surfactant to be mixed is 0.01 weight % or more.
- 4. A biosensor as defined in Claim 1 wherein the side walls of the sensor facing the cavity are made of a film the surface of which is covered with a surfactant.
- 5. A biosensor as defined in Claim 1 wherein

 the side walls of the sensor facing the cavity are made of a

 film the surface of which is covered with a resin having a

 hydrophilic polar group.

- 6. A biosensor as defined in Claim 4 or 5 wherein the thickness of the surfactant or the resin having a hydrophilic polar group, which covers the film, is several tens of angstroms or more.
- 7. A biosensor as defined in Claim 1 wherein the surface of at least a portion of the side walls forming the cavity is chemically reformed.
- 8. A biosensor as defined in Claim 7 wherein

a hydrophilic functional group is formed on the surface of at least a portion of the side walls facing the cavity, by subjecting the surface to any of the following treatments: plasma discharge, coupling reaction, ozone treatment, and UV treatment.

- 9. A biosensor as defined in Claim 1 wherein the surface of at least a portion of the side walls facing the cavity is made of a rough surface.
- 10. A biosensor as defined in Claim 9 wherein

a rough surface is formed at the surface of at least a portion of the side walls facing the cavity, by subjecting the surface to any of the following treatments: sand blasting, electric discharge, non-glare treatment, mat treatment, and

chemical plating.

- 11. A biosensor as defined in any of Claims 1 to 10 wherein the surface of the side wall, on which the reagent that reacts with the liquid sample is formed, has hydrophilicity.
- 12. A biosensor as defined in any of Claims 1 to 10 wherein the surface of the side wall, on which electrodes that detect the reaction between the liquid sample and the reagent are formed, has hydrophilicity.
- 13. A biosensor as defined in Claim 12 wherein the surface of the support is made of a rough surface, and the level of the rough surface to be formed is $0.001\,\mu\,\mathrm{m}$ to $1\,\mu\,\mathrm{m}$.